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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,334	02/26/2004	Keisuke Tsukamoto	XA-9721A	2666
181	7590 04/22/2005		EXAMINER	
MILES & STOCKBRIDGE PC			NGUYEN, CUONG QUANG	
SUITE 500	1751 PINNACLE DRIVE SUITE 500		ART UNIT	PAPER NUMBER
MCLEAN, '	VA 22102-3833		2811	
			DATE MAILED: 04/22/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No	Applicant(s)					
Office Action Summan	TSUKAMOTO ET	AL.				
Office Action Summary Examiner	Art Unit					
Cuong Q. Nguye	I	·				
The MAILING DATE of this communication appears on the cove Period for Reply	r sheet with the correspondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EX THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, how after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minerally in the period for reply is specified above, the maximum statutory period will apply and will expire period to reply within the set or extended period for reply will, by statute, cause the application of the Any reply received by the Office later than three months after the mailing date of this communic earned patent term adjustment. See 37 CFR 1.704(b).	ever, may a reply be timely filed nimum of thirty (30) days will be considered timely SIX (6) MONTHS from the mailing date of this or o become ABANDONED (35 U.S.C. § 133).					
Status						
1) Responsive to communication(s) filed on						
2a) ☐ This action is FINAL . 2b) ☑ This action is non-fin	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle,	1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>23-41</u> is/are pending in the application.						
4a) Of the above claim(s) 23-31 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>32-41</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election require	ement.	·				
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) dojected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held	-					
Replacement drawing sheet(s) including the correction is required if the						
11) ☐ The oath or declaration is objected to by the Examiner. Note the	e attached Office Action or form P	10-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 3st a) All b) Some * c) None of: 1. Certified copies of the priority documents have been rec 2. Certified copies of the priority documents have been rec 3. Copies of the certified copies of the priority documents have 	eived. eived in Application No	, Stage				
application from the International Bureau (PCT Rule 17.3		3				
* See the attached detailed Office action for a list of the certified of						
Attachment(s)	1.					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Interview Summary (PTO-413) Paper No(s)/Mail Date					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Notice of Informal Patent Application (PTG Other:	O-152)				

DETAILED ACTION

Election/Restriction

1. Applicant's election without traverse of Group II, claims 32-41 is acknowledged.

Specification

2. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 38-41 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The limitation "a conductive film over said semiconductor substrate, said conductive film extending up to below said two or more element forming regions" makes claims 38-41 un-enablement because it is imposible for forming the conductive layer over the substrate and under the element forming regions (active regions) which is form on the surface of the substrate.

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Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 32-37 are rejected under 35 U.S.C. 102(b) as being anticipated Shimizu et al. (US 5,946,230).

Regarding claims 32, 34, 35, Shimizu et al. discloses a method of manufacturing a non-volatile memory semiconductor integrated circuit device comprising steps of: forming two or more element forming regions (4) over a surface of a semiconductor substrate (1), two or more element forming regions being defined by an insulating film (2) and each extending in a first direction and being arranged in a second direction perpendicular to first direction; forming a plurality of memory cells (MC) over main surfaces of two or more element forming regions; and forming a conductive film (one of layers of dummy pattern cell) over the semiconductor substrate so as to surround the plurality of memory cells, wherein the element forming regions extend up to below conductive film, which extends in the second direction. See Fig.12 and Fig.13B.

Regarding claims 33, 36, 37, as shown in Fig.12 to Fig.13B of Shimizu et al.; forming a first electrode (6c) through a first insulating film (5d) on one of said element

forming regions; forming a second electrode (8) through a second insulating film (7) on said first electrode, the second electrode extending in said second direction; and forming emiconductor regions (9) in the element forming region on both sides of said second electrode.

Conclusion

- 5. Papers related to this application may be submitted to Technology center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the TC 2800 Fax center located in Crystal Plaza 4, room 4-C23. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The Group 2811 Fax Center number is (703) 872-9306. The Group 2811 Fax Center is to be used only for papers related to Group 2811 applications.
- 6. Any inquiry concerning this communication or any earlier communication from the Examiner should be directed to CUONG Q NGUYEN whose telephone number is (571) 272-1661. The Examiner is in the Office generally between the hours of 6:30 AM to 5:00 PM (Eastern Standard Time) Monday through Thursday.
- 7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Eddie Lee who can be reached on (571) 272-1732.
- 8. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center Receptionists whose telephone number is 308-0956.

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Cuong Nguyen

Primary examiner

4/14/05